ELSEVIER

Progress in Organic Coatings 28 (1996) 319–321

PROGRESS IN ORGANIC COATINGS

Contents of Volume 28

Volume 28 Number 1

Special issue containing papers presented at the 1994 Tess Symposium

Award Introduction 1
G.P. Bierwagen (Fargo, ND, USA)

Thin-layer technology in organic coatings 3
W. Funke (Stuttgart, Germany)

Stabilization of the polymer–metal interface 9
H. Yamabe (Chiba, Japan)

Determination of the restricted segmental mobility dimensions of adsorbed polymers 17
C.A. Kumins, C.J. Knauss, R.J. Ruch (Easton, MD, USA)

On adhesion and stress in organic coatings 21
D.Y. Perera (Limelette, Belgium)

Field flow fractionation for particle size determination 25
L. Dulog, T. Schauer (Stuttgart, Germany)

Microgels in organic coatings 33
D. Saatweber, B. Vogt-Birnbrich (Wuppertal, Germany)

Reflections on corrosion control by organic coatings 43
G.P. Bierwagen (Fargo, ND, USA)

Review Papers

Filiform corrosion in polymer-coated metals 49
A. Bautista (Madrid, Spain)

Corrosion mechanisms of phosphated zinc layers on steel as substrates for automotive coatings 59
A. Amirudin, D. Thierry (Stockholm, Sweden)

Conference Calendar 77

Volume 28 Number 2

Review Paper

Pigment dispersion in water-reducible paints 79
T. Kobayashi (Osaka, Japan)

Research Papers

The levelling of thixotropic coatings 89
O. Cohu, A. Magnin (Grenoble, France)

A positron annihilation lifetime spectroscopic study of the corrosion protective properties of epoxy coatings 97
R.C. MacQueen, R.D. Granata (Bethlehem, PA, USA)

Evaluation of heat resistant properties of silicone based coatings by SEM and a.c. impedance techniques 113
L. Mathivanan, M. Selvaraj, S. Syed Azim, K. Balakrishnan (Karaikudi, India)

Elsevier Science S.A.

Evaluation of the behaviour of particulate polymeric coatings in a corrosive environment. Influence of the concentration of metal particles 117
N. Kouloumbi, G.M. Tsangaris, A. Skordos, S. Kyvelidis (Athens, Greece)

Studies on the stability of aqueous emulsions containing linseed oil and alkyd resin modified by linseed oil 125
E. Makarewicz (Bydgoszcz, Poland)

Synthesis of crosslinkable acrylic latexes by emulsion polymerization in the presence of etherified melamine-formaldehyde (MF) resins 133
Y. Huang, F.N. Jones (Ypsilanti, MI, USA)

Thermal cationic curing with benzylammonium salts — 2 143
S. Nakano (Osaka, Japan), T. Endo (Yokohama, Japan)

Book Reviews 149

Conference Calendar 153

Volume 28 Number 3

Special issue devoted to Self-Stratifying Coatings

Self-stratifying coatings — an overview of a European Community Research Project 155
D.J. Walbridge (Teddington, UK)

Theoretical aspects of self-stratification 161
C. Carr (Teddington, UK), E. Wallstöm (Copenhagen, Denmark)

Formulation parameters influencing self-stratification of coatings 173
P. Vink, T.L. Bots (Delft, Netherlands)

Self-stratifying coatings for plastic substrates (BRITE EURAM PROJECT RI 1B 0246 C(H)) 183
A. Toussaint (Limelette, Belgium)

Self-stratifying coatings for metallic substrates 197
S. Benjamin, C. Carr, D.J. Walbridge (Teddington, UK)

Statistical treatment of data from the European Community Research on self-stratification 209
A.M. Joly (Lyon, France)

News 223

Announcement 225

Conference Calendar 226

Volume 28 Number 4

Review Paper

Surface chemistry of galvanized steel sheets relevant to adhesion performance 227
S. Maeda (Hiratsuka, Japan)

Research Papers

A capacitance study of pseudo-fickian diffusion in glassy polymer coatings 239
M.M. Wind, H.J.W. Lenderink (Delft, Netherlands)

Differential scanning calorimetry study of linseed oil cured with metal catalysts 251
S.J. Tuman, D. Chamberlain (Fargo, ND, USA), K.M. Scholsky (Winona, MN, USA), M.D. Soucek (Fargo, ND, USA)

Latex particle size and CPVC 259
G. del Rio, A. Rudin (Waterloo, Ont., Canada)

Optimisation of metallic pigments in coatings by an electrochemical technique and an investigation of manganese powder as pigment for metal rich primers 271
M. Selvaraj, S. Guruviah (Karaikudi, India)

Vibrational spectroscopic study of distribution of sodium dodecyl sulfate in latex films 279
J.I. Amalvy, D.B. Soria (La Plata, Argentina)

Internal stress and wet adhesion of organic coatings 285
O. Negele, W. Funke (Stuttgart, Germany)

Corrosion protection of cold-rolled steel by low temperature plasma interface engineering
I. Enhancement of E-coat adhesion 291
T.F. Wang (Columbia, MO, USA), T.J. Lin (Columbia, MO, USA and Philadelphia, PA, USA), D.J. Yang, J.A. Antonelli (Philadelphia, PA, USA), H.K. Yasuda (Columbia, MO, USA)

Acrylated lesquerella oil in ultraviolet cured coatings 299
S.F. Thames, H. Yu, T.P. Schuman, M.D. Wang (Hattiesburg, MS, USA)

Dispersion characteristics of magnetic particles: surface charge, surface adsorption and acid–base interaction behavior 307
S. Dasgupta (Wilmington, DE, USA)

Book Review 313

Conference Calendar 314

Author Index of Volume 28 315

Subject Index of Volume 28 316

Contents of Volume 28 319